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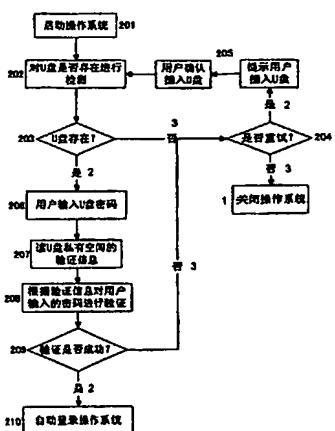
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厦B座15层, Beijing 100083 (CN). | 所引用双字母代码和其它缩写符号, 请参考刊登在每期
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(54) Title: AN AUTHENTICATION METHOD BASED ON THE PRIVATE SPACE OF THE USB FLASH MEMORY MEDIA

(54) 发明名称: 基于 USB 闪存盘存储介质私有空间的验证方法



- 201 STARTING THE OPERATING SYSTEM
- 202 EXAMINING WHETHER THE USB MEMORY IS EXIST
- 203 IS THE USB MEMORY EXISTING
- 204 EXIT
- 205 PROMPTING THE USER TO INSERT THE USB MEMORY AND THE USER CONFIRMS HAVING INSERTED THE USB MEMORY
- 206 THE USER INPUTS THE KEYWORDS OF THE USB MEMORY
- 207 READING THE AUTHENTICATION INFORMATION FROM THE PRIVATE SPACE OF THE USB FLASH MEMORY
- 208 AUTHENTICATING THE KEYWORDS THAT THE USER INPUTS USING THE AUTHENTICATION INFORMATION
- 209 IS THE AUTHENTICATION SUCCESSFUL?
- 210 LOGGING IN THE OPERATING SYSTEM AUTOMATICALLY
- 1 CLOSE THE OPERATING SYSTEM
- 2 YES
- 3 NO

(57) Abstract: The invention provides an authentication method based on the private space of the USB flash memory media, which includes: realizing a module that utilizes the private space of the USB flash memory media, which current often used, to perform an authentication, the control chip of the USB flash memory receives the read/write instructions from the authentication module, determines whether performs the read/write operation to the private space, if the result is yes, then performs the read/write operation to the private space, otherwise do not perform the read/write operation to the private space; thus various of the authentication information can be stored in the private space of the USB flash memory, which is invisible to the normal user and can not be copied and deleted, and the normal data can also be stored in the normal space of the USB flash memory, as realizing an encryption and authentication mechanism with security and convenience.

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(57) 摘要

本发明公开了一种基于USB闪存盘存储介质私有空间的验证方法，实现一个使用目前常用的USB闪存盘存储介质私有空间进行验证的模块，USB闪存盘的控制芯片接收验证模块发来的读/写指令，判断是否为对私有空间进行读/写操作，如果是则对私有空间进行读/写操作，否则对正常空间进行读/写操作；这样就利用了一般用户看不到，不能复制也删除不了的USB闪存盘私有空间存储各种验证信息，也可以用USB闪存盘正常空间存储一般数据，实现安全可靠，方便易用的加密及验证机制。